

ABSTRACT OF THE DISCLOSURE

Disclosed is a normally closed solenoid-operated valve, which is inexpensive and capable of effectively restraining the operation noise brought about by the open/close operation thereof and also capable of preventing the occurrence of the delay in response. The solenoid-operated valve is composed of a stationary element provided at one end of a stationary sleeve, a movable element slidably inserted in the sleeve to face the stationary element and provided at an external surface thereof with a communication groove which axially extends between the opposite ends thereof for permitting the flow of the operating fluid, and an electromagnetic coil for exciting the stationary element and the movable element. A damper chamber is defined by an annular shim provided between the lower end surface of the stationary element and the top surface of the movable element. When the damper chamber is closed by the lower end surface of the stationary element and the top surface of the movable element, a dent groove makes the damper chamber communicate with the communication groove.